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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,847	04/14/2004	Yuc-Chung Chen		5515

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EXAMINER

NGUYEN, HANH N

ART UNIT	PAPER NUMBER
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2834

MAIL DATE	DELIVERY MODE
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07/10/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/823,847

Applicant(s)

CHEN, YUE-CHUNG

Examiner

Nguyen N. Hanh

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-19 is/are pending in the application.
- 4a) Of the above claim(s) 8-19 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-7 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group I, claims 3-7 in the reply filed on 4/17/2007 is acknowledged. The traversal is on the ground that "the Examiner fails to show a serious burden on the Examiner if all the claims are examined, such as all three groups either recite the shell or the step of forming the shell therefore the same field of search would be required for all these groups of claims". This is not found persuasive because the claims directed to different subject matter such as the search for "a shell" is different from the search for "a shell forming a closed spaced". Moreover, the "step of forming the shell around the rotor" can be used to make different product such as a torque tube for superconductor motor (please see US 6,129,477) therefore the three group of claims require different fields of search. For the reasons explained above, the requirement is still deemed proper and is therefore made FINAL.

Specification

2. The disclosure is objected to because of the following informalities: the Title Of Invention is not descriptive. The Examiner recommends the title to be changed to:--- Motor For Refrigeration system---.

The disclosure is objected to because of the following informalities: "The mike 8001 design", "The mike 8001 induction motor design" or "The mike 8002 design" and "a small mike 8001(&8002) motor design" are not descriptive. The Examiner recommended the "The mike 8001 design" to be changed to:---the present invention--- and "The mike 8002 design" to be changed to:--- the second embodiment of present

invention---. Since the original Specification and the previous amendments were made by a Pro se with too many informalities, a "substitute specification" is recommended to avoid confusions.

3. The abstract of the disclosure is objected to because of the following informalities: "The mike 8001 (or 8001-1) design", "The mike 8002- design". Correction is required. See MPEP § 608.01(b).

Drawings

4. The drawings are objected to because the following informalities "the inventor's name, title, phone number, E-mail address, the box with the number of page, the box around the Figure number, "The mike 8001 design", "The mike 8002 design" should be removed from the drawings. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are

not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance. Appropriate correction is required.

Allowable Subject Matter

5. Claims 3-7 are allowed.
6. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not show an apparatus having a refrigeration cycle as described in claim 3 comprising an induction motor having a rotor and a stator having a plurality of stator poles with stator windings associated with each stator pole, the motor being coupled to compressor to drive the compressor; wherein the rotor is located within the shell, and the shell is welded to the stator poles such that a portion of each stator pole is located within the shell and the stator windings are located outside the shell.

Conclusion

7. This application is in condition for allowance except for the following formal matters:

- The objections to the drawings and the specification.
- The non-elected claims 8-19

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg, can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

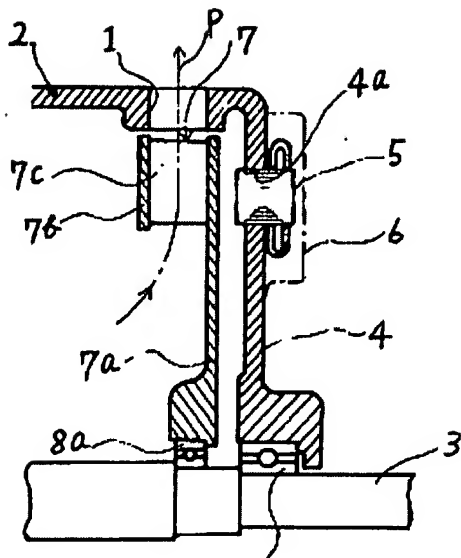
HNN

July 6, 2007

A handwritten signature in black ink, appearing to read 'Dangle', is written over the printed name.

DANGLE
PRIMARY EXAMINER

FIG 1



Karl's Reference,
shows stator embedded
in a shell

FIG 2

